

ABSTRACT

The aim of the invention is to provide a modified collagen peptide for preventing post-operative adhesions that is non-toxic, economic, in addition to being easy to obtain, sterilize, manipulate and implement, having controlled biodegradability and presenting a sufficiently strong initial mechanical resistance in situ (cohesion). This is achieved in the case of the modified collagen peptide for preventing post-operative adhesions according to the invention which is characterized in that it comprises at least one collagen peptide that is modified by grafting thiol functions that are free or substituted, cross-linkable and/or at least partly cross-linked, whereby the thiol functions are provided by mercaptoamine radicals that are exclusively grafted on the aspartic and glutamic acids of the collagen chains by means of amide bonds. The modified collagen peptide can exist in the form of a homogeneous or composite film, as a gel or in as a liquid which can be applied and cross-linked per se as on in vivo tissue.